

IN THE SOUTHERN PLAINS

September 29, 2011

For audio, call 866-658-9195

Passcode: 6857506#

Webinar Format

- 2nd and 4th Thursdays of each month at 11:00 a.m. Central Time
- Overview of regional drought conditions and outlook for next several weeks to months
 - led by the Drought Monitor authors
- Closer look at the impacts in a state
 - State Climatologists, rotating basis
- Discussion Topic
 - Alternating between an impact type (wildfire, agriculture) and a resource (monitoring tools, assistance programs)
- Open-ended time for questions and comments
- Total Time Commitment: 20 minutes for presentations, as much time as needed for discussion
- Past webinars, summaries, and Federal/State Assistance links posted on http://www.drought.gov/portal/server.pt/community/south_central

For audio, call 866-658-9195

Passcode: 6857506#

Webinar Topics

- Sectors & Impacts
 - Agricultural Impacts
 - Cattle and Livestock
 - Ecological Impacts
 - Water Supply
 - Wildfire
 - Winter Wheat
- Resources & Monitoring
 - Assistance Programs & Tax Deferrals
 - Drought Ready Communities
 - La Nina
 - Ranch Drought Planning
 - Reporting on Drought Impacts
 - U.S. Drought Monitor
 - Vegetation Health Monitoring

For audio, call 866-658-9195

Passcode: 6857506#

Webinar Series Goals

- To improve communication among agencies and organizations in the Southern Plains who are being affected by the historic and exceptional drought
- To provide information on available resources and assistance to help monitor and manage drought
- To understand the impacts of drought in this region <u>from</u> the perspective of those who are tasked with managing it
- To document impacts that will help improve the weekly U.S. Drought Monitor assessment and our understanding of how drought impacts evolve and decay

For audio, call 866-658-9195 Passcode: 6857506#

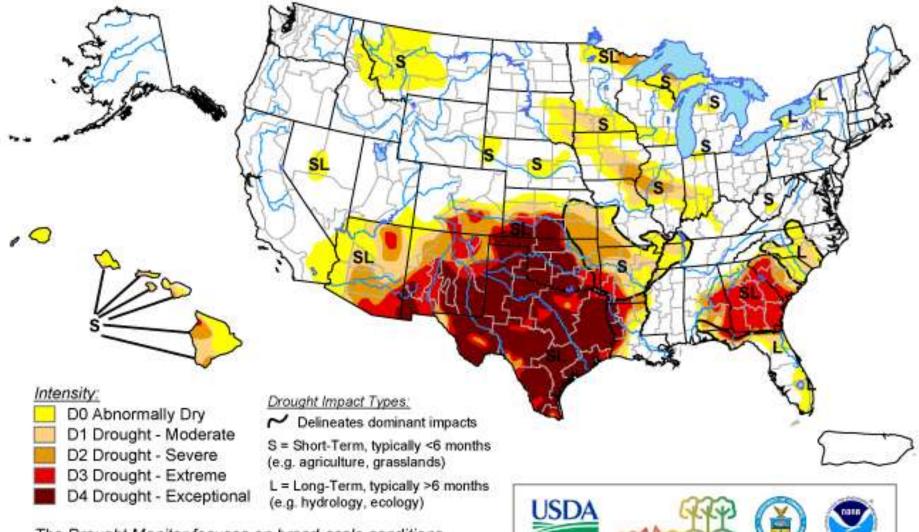
Regional Drought Monitor Update

Mark Svoboda, Climatologist Monitoring Program Area Leader

National Drought Mitigation Center School of Natural Resources University of Nebraska-Lincoln

September 27, 2011

Valid 8 a.m. EDT



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Released Thursday, September 29, 2011
Author: Michael Brewer/Liz Love-Brotak, NOAA/NESDIS/NCDC

TRACTIONAL V Drought HERgerian Contr

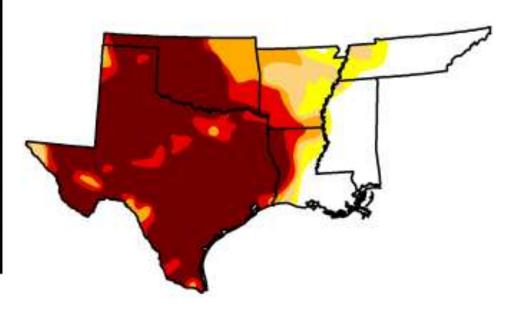
September 27, 2011

Valid 7 a.m. EST

South

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	18.34	81.66	76.26	70.61	63.67	53.77
Last Week (09/20/2011 map)	18.41	81.59	76.35	69.79	64.54	53.61
3 Months Ago (06/28/2011 map)	25.52	74.48	59.82	53.42	47.27	47.27
Start of Calendar Year (12/28/2010 map)	8.86	91.14	67.65	35.21	10.17	0.00
Start of Water Year (09/28/2010 map)	54.23	45.77	20.04	6.79	0.83	0.00
One Year Ago (09/21/2010 map)	58.00	42.00	12.70	5.13	0.83	0.00



Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.









September 27, 2011

Valid 7 a.m. EST

West

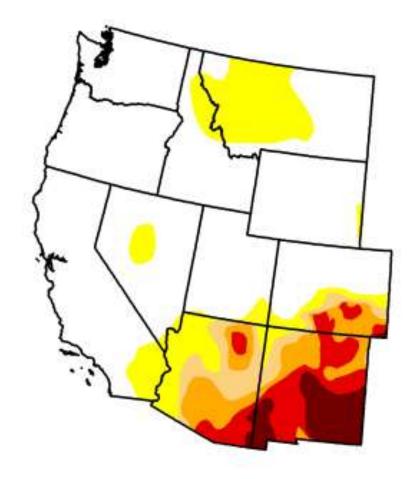
Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	66.72	33.28	19.04	14.99	9.30	3.81
Last Week (09/20/2011 map)	73.65	26.35	19.04	14.99	9.30	3.81
3 Months Ago (06/28/2011 map)	73.59	26.41	19.31	16.01	11.35	5.65
Start of Calendar Year (12/28/2010 map)	73.26	26.74	11.98	0.89	0.00	0.00
Start of Water Year (09/28/2010 map)	62.50	37.50	8.14	0.56	0.00	0.00
One Year Ago (09/21/2010 map)	69.90	30.10	6.92	0.56	0.00	0.00





The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

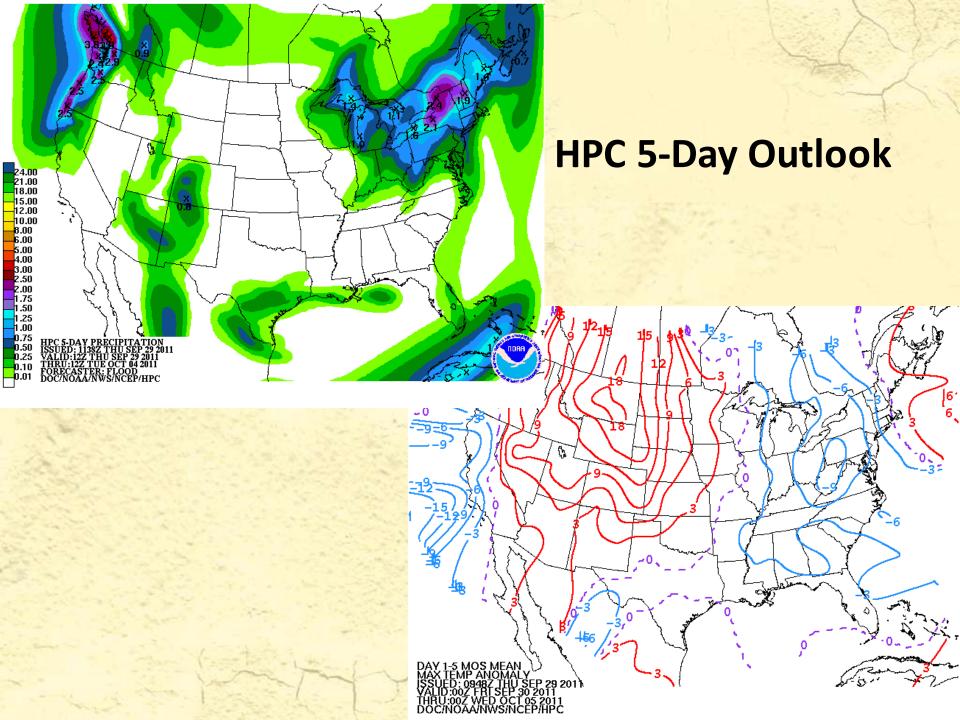




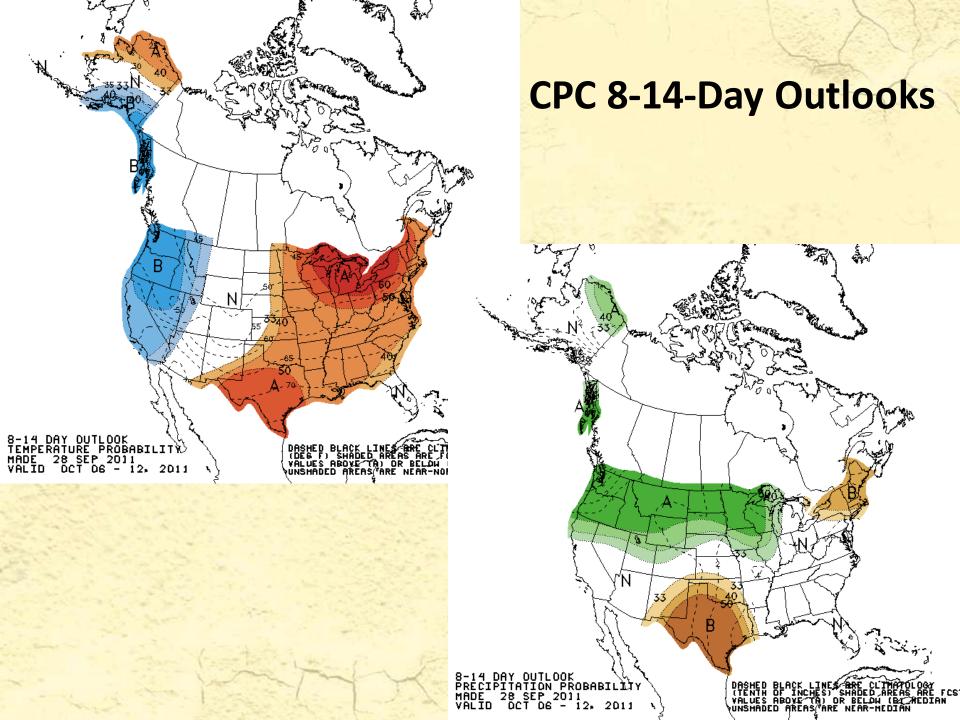


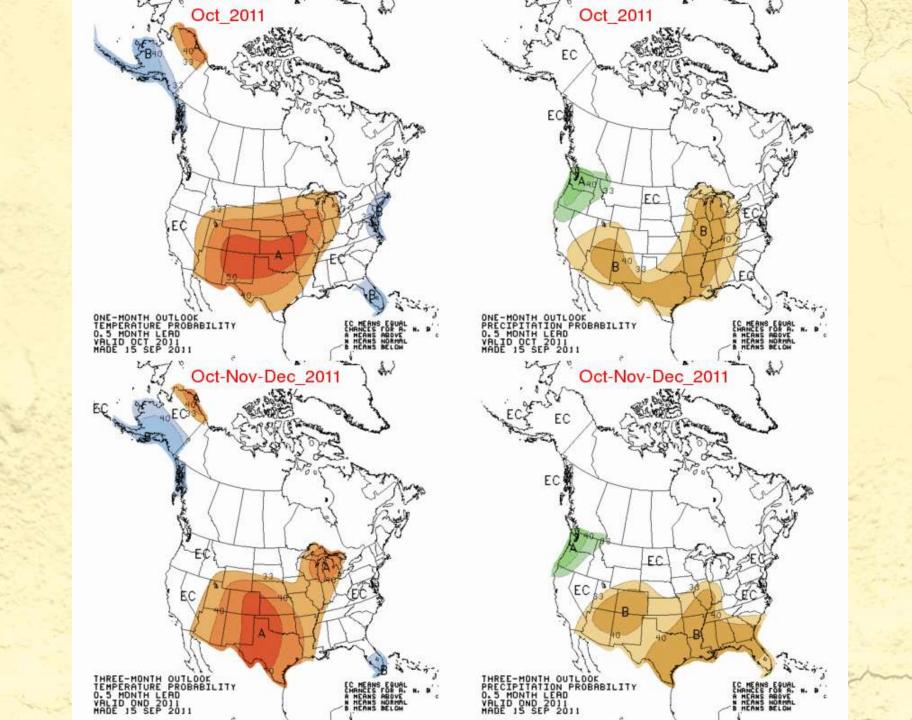


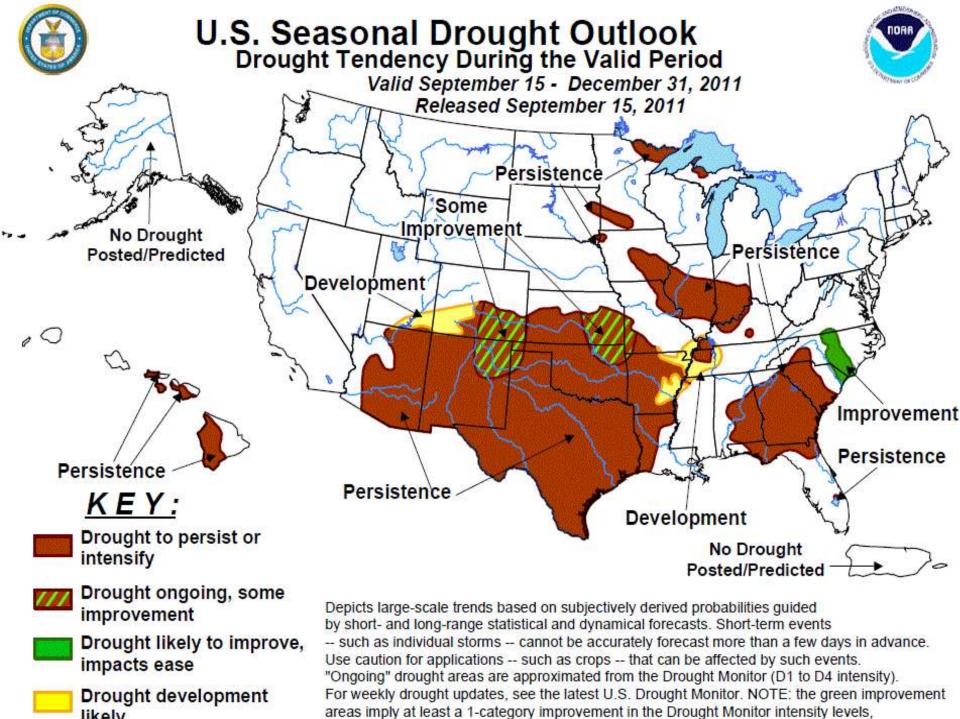




CPC 6-10-Day Outlooks 6-10 DAY DUTLOOK TEMPERATURE PROBABILITY MADE 28 SEP 2011 VALID DCT 04 - 08, 2011 DASHED BLACK LINES ARE CLIMATOLOGY (DEG F) SHADED AREAS ARE FOST VALUES ABOVE TA) OR BELDW (BY RORMAL UNSHADED AREAS ARE NEAR-NORMAL 6-10 DAY OUTLOOK PRECIPITATION PROBABILITY MADE 28 SEP 2011 VALID OCT 04 - 08, 2011 DASHED BLACK LINES ARE CLIMATOLOGY (TENTH OF INCHES) SHADED AREAS ARE FCS VALUES ABOVE TA) OR BELDU (BE REDIAN VUNSHADED AREAS ARE NEAR-HEDIAN



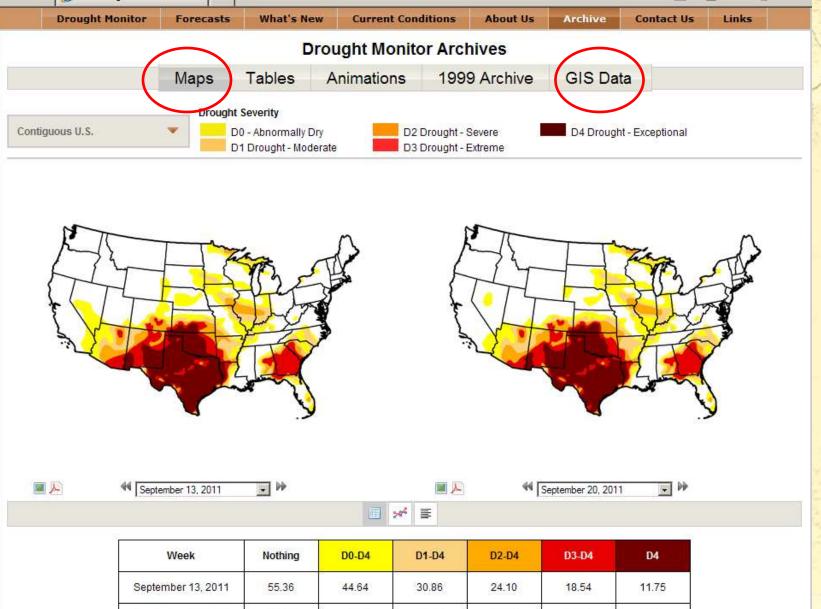




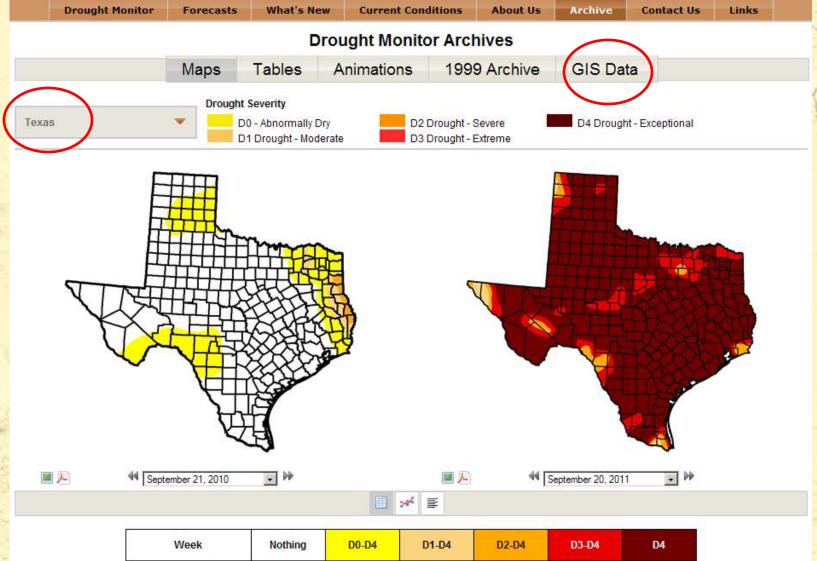
Feature USDM Product

Do you know where to go to get the archived USDM state and/or county level data and maps?

http://droughtmonitor.unl.edu/archive.html



Week	Nothing	D0-D4	D1-D4	D2-D4	D3-D4	D4
September 13, 2011	55.36	44.64	30.86	24.10	18.54	11.75
September 20, 2011	57.22	<mark>4</mark> 2.78	30.46	23.64	17.99	11.34



Week	Nothing	D0-D4	D1-D4	D2-D4	D3-D4	D4
September 21, 2010	77.29	22.71	3.34	0.97	0.00	0.00
September 20, 2011	0.00	100.00	100.00	99.03	96.10	85.43



Drought Monitor Data Downloads

Maps Tables Animations 1999 Archive GIS Data

For more information regarding the Drought Monitor datasets, please contact Brian Fuchs at the NDMC via e-mail.

For those individuals interested in obtaining DM data for a period of time longer than a few weeks, please e-mail your request to Brian Fuchs. Include the date range, for example 2005-2009, and the state or county names. We will make every effort to respond to your request as soon as possible.

NOTE: The weekly KML datasets are now available as KMZ files. We apologize for any inconvenience.

Download the most current Drought Monitor combined shapefiles: Current Drought Monitor Shapefiles

View the most current Drought Monitor in Google Earth: Current Drought Monitor

View the most current Drought Monitor WMS service: Current Drought Monitor WMS

For more information regarding the file formats, click on the appropriate format: <u>Drought Monitor shapefiles</u>, <u>KML files</u>, <u>GML files</u>, <u>OGC WMS files</u>, <u>Excel files</u>.

For more information regarding the Drought Monitor color scheme, please visit: DM Colors

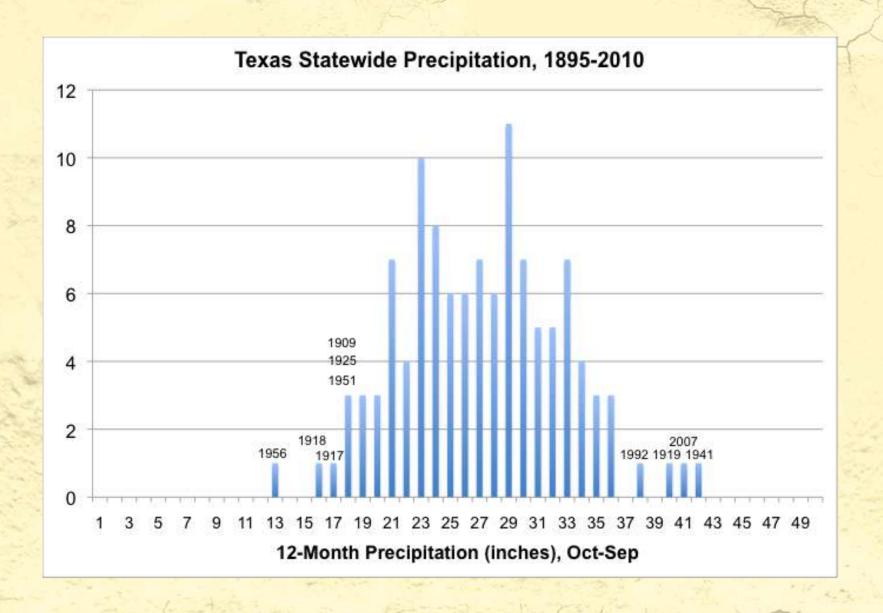
Please cite the Drought Monitor by including the National Drought Mitigation Center (NDMC), the U.S. Department of Agriculture (USDA) and the National Oceanic and Atmospheric Administration (NOAA).

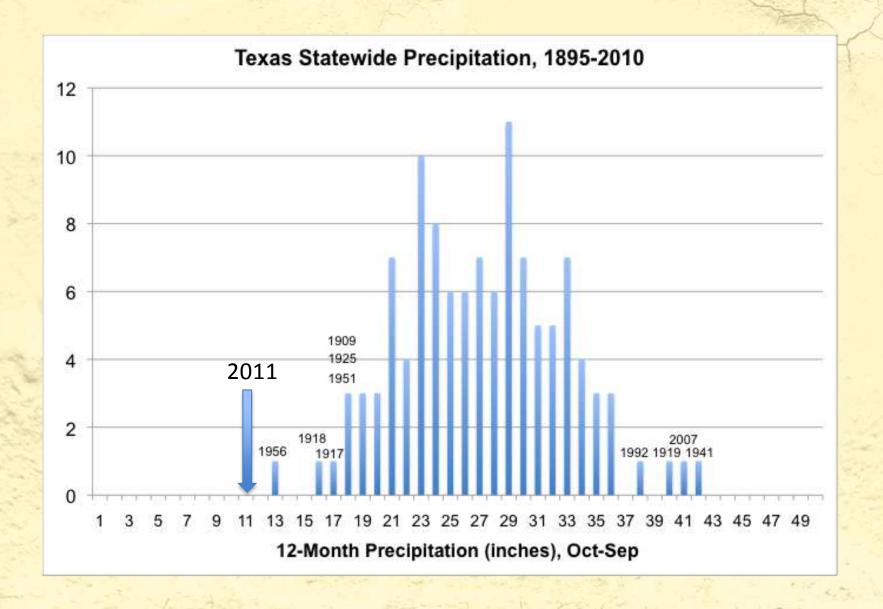
Download all Drought Monitor shapefiles for 2011.

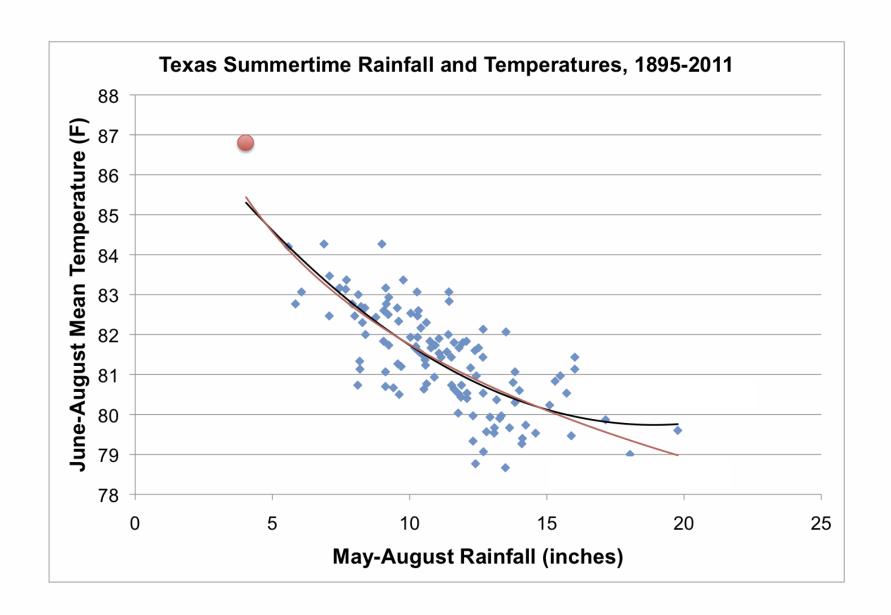
Date	KMZ	Shaj	pefiles	GML	WMS	Statistics		
2011-09-20	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	<u>State</u>	County
2011-09-13	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	State	County
2011-09-06	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	<u>State</u>	County
2011-08-30	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	<u>State</u>	County
2011-08-23	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	<u>State</u>	County
2011-08-16	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	<u>State</u>	County
2011-08-09	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	State	County
2011-08-02	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	<u>State</u>	County
2011-07-26	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	State	County
2011-07-19	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	State	County
2011-07-12	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	State	County
2011-07-05	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	State	County
2011-06-28	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	State	County
2011-06-21	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	State	County
2011-06-14	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	<u>State</u>	County
2011-06-07	<u>KMZ</u>	<u>SHP</u>	<u>Impacts</u>	<u>GML</u>	<u>WMS</u>	<u>U.S.</u>	<u>State</u>	County

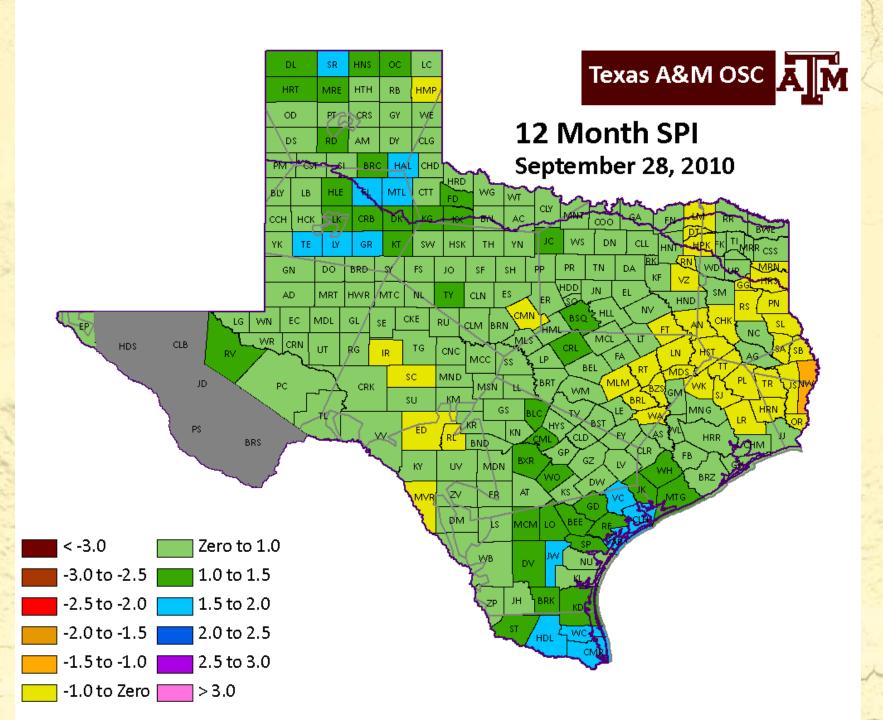
Texas Drought Update September 29, 2011

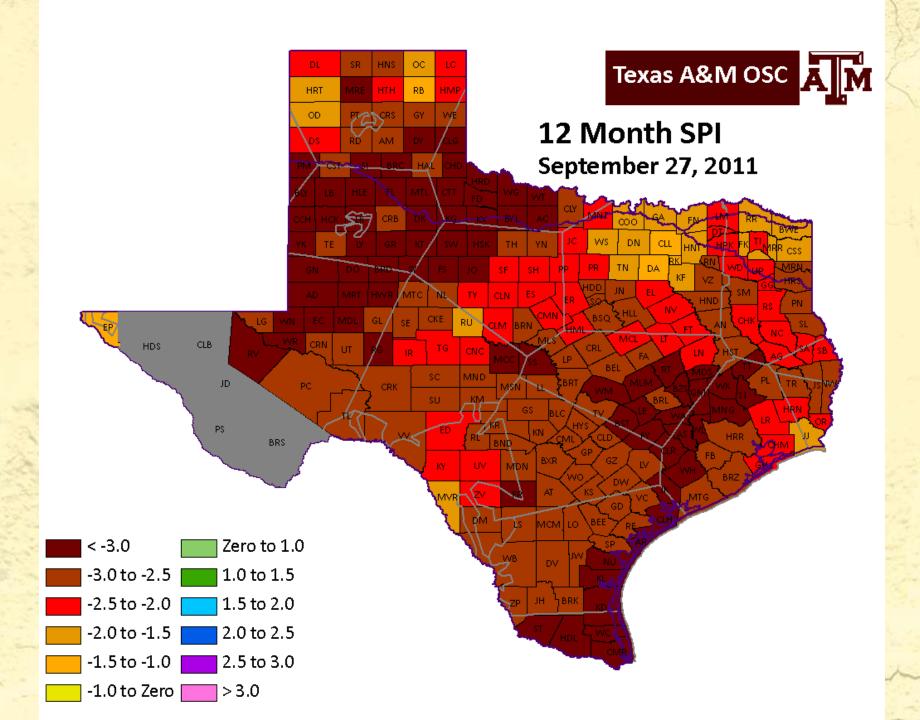
John Nielsen-Gammon
State Climatologist
Office of the State Climatologist





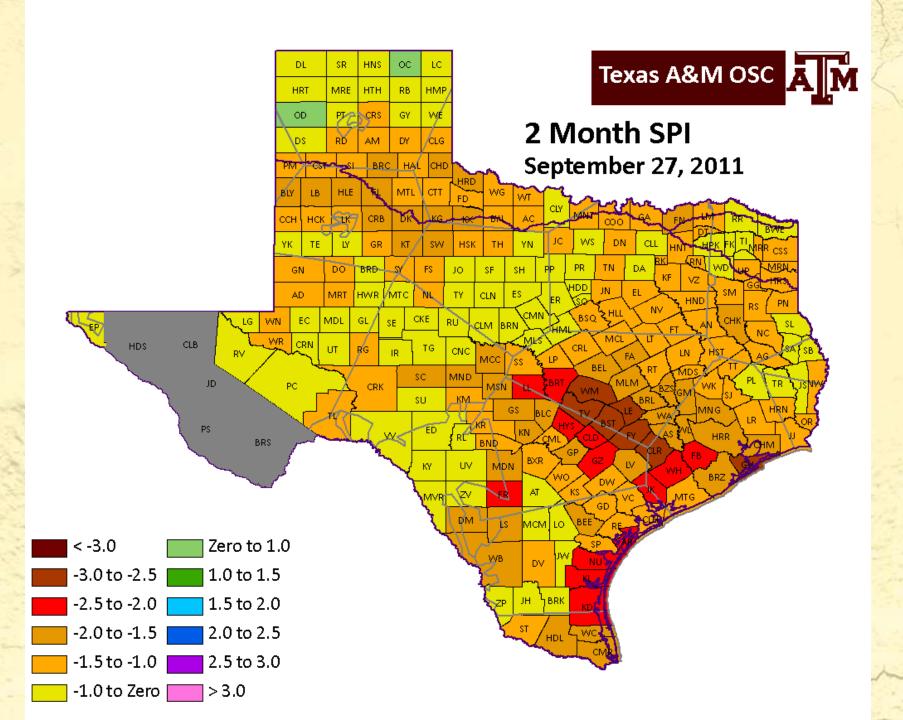






Impacts

- Farming
- Ranching
- Water Supplies
- Wildfire



New Mexico Drought Update September 29, 2011

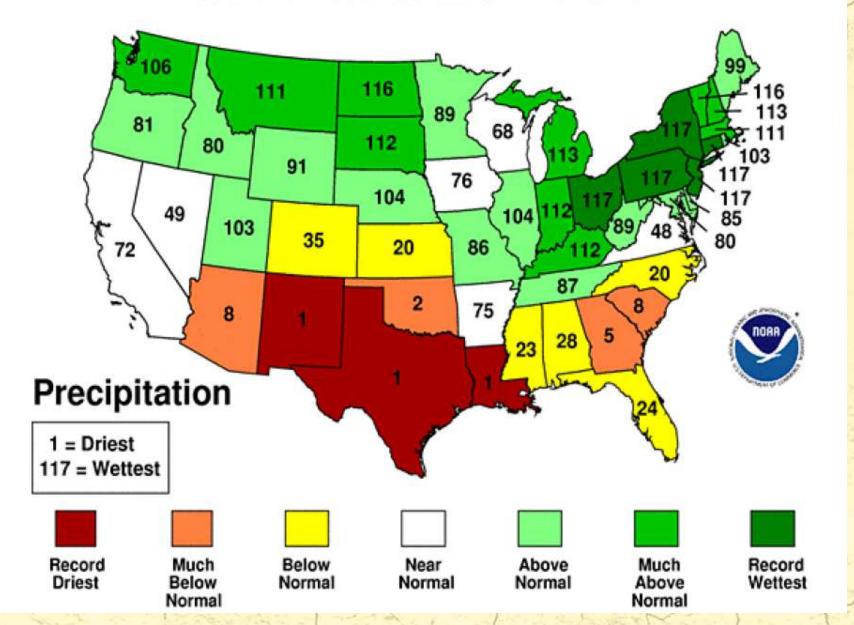
David DuBois

State Climatologist

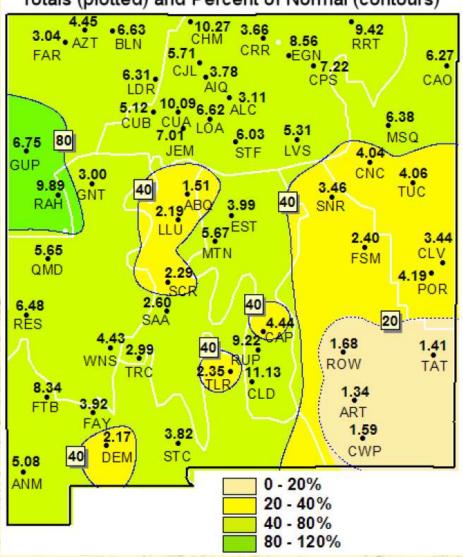
New Mexico Climate Center

January-August 2011 Statewide Ranks

National Climatic Data Center/NESDIS/NOAA



January - August 2011 Precipitation Totals (plotted) and Percent of Normal (contours)



2011 (Jan –Aug) Precipitation

Statewide Average: 52% of normal

Northwest Plateau: 78% of normal

Northern Mountains: 58% of normal

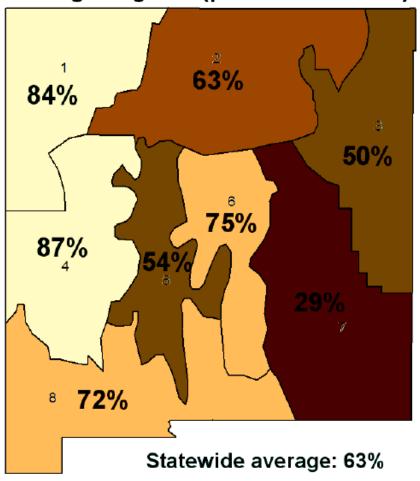
Central Valley: 37% of normal

Southern Desert: 52% of normal

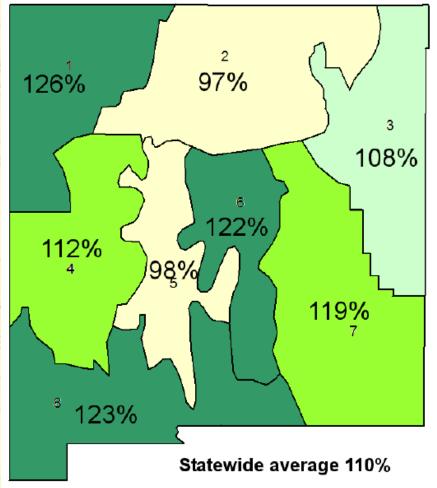
Southeastern Plains: 21% of normal

This summer compared to last

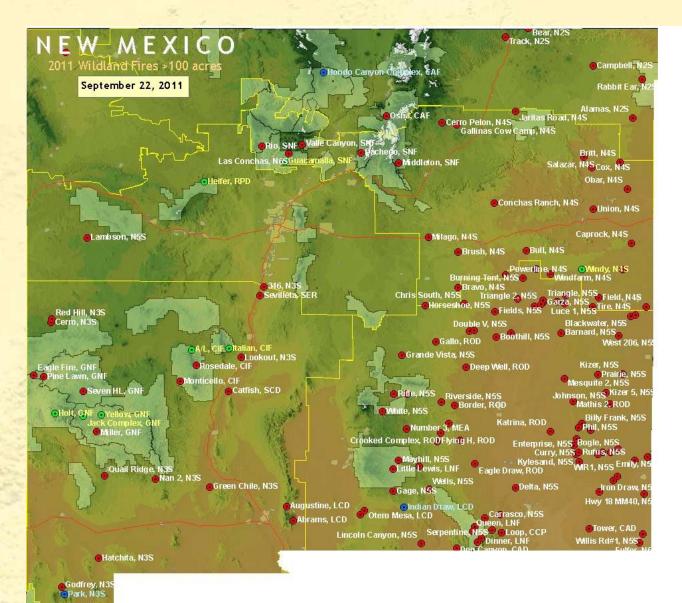
Summer 2011 Precipitation - June through August - (percent of normal)



Summer 2010 Precipitation - June through August - (percent of normal)



Year to Date Wildfires



As of Sept. 22 about 1,050,153 acres have been burned from wildfires this year

Last year 120,055 acres burned due to wildfires

Largest on record since 1990

Map: http://gacc.nifc.gov/swcc/predictive/intelligence/intelligence.htm

Statistics: http://gacc.nifc.gov/swcc/predictive/intelligence/ytd historical/historical/historical.htm

Oklahoma Drought Update September 29, 2011

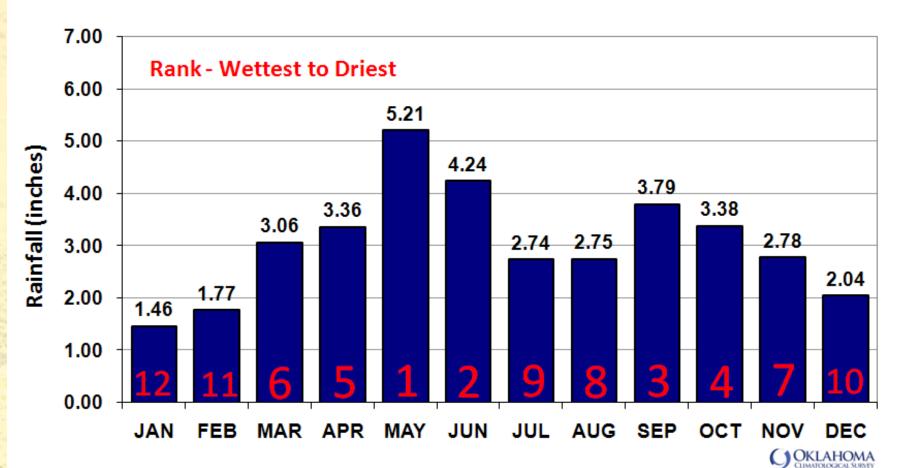
Gary McManus

Associate State Climatologist

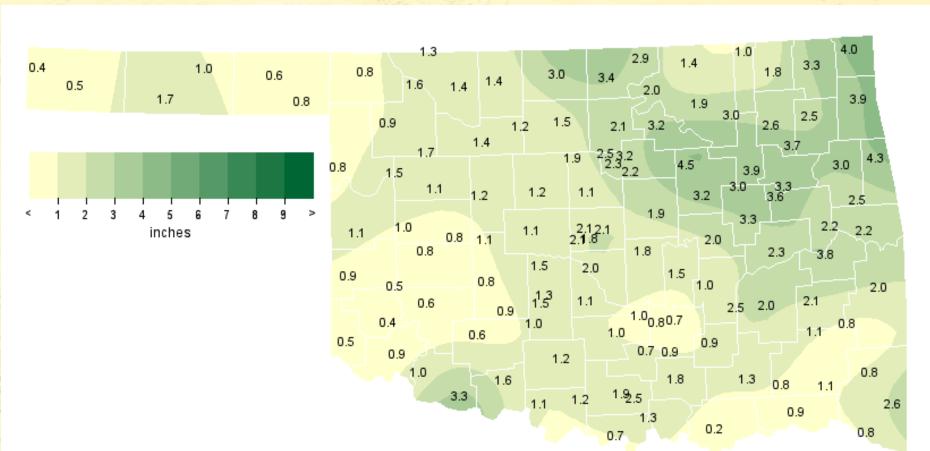
Oklahoma Climatological Survey

"Normal" precipitation not enough

Oklahoma Normal Monthly Precipitation



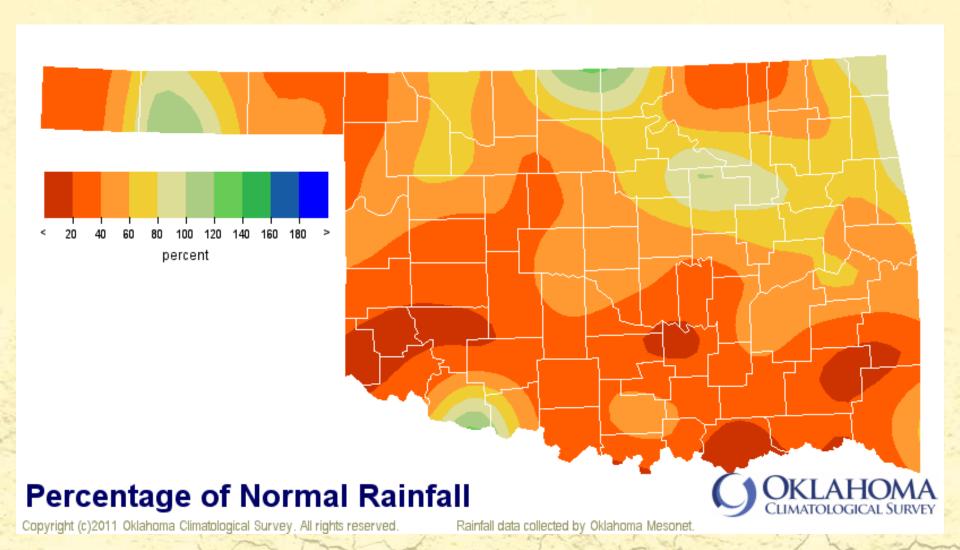
September has been a dud! Rainfall totals



Observed Rainfall



September percent of normal



September 27, 2011

Valid 7 a.m. EST

Oklahoma

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	100.00	78.97	66.42
Last Week (09/20/2011 map)	0.00	100.00	100.00	100.00	90.00	66.42
3 Months Ago (06/28/2011 map)	0.13	99.87	75.59	55.96	41.22	32.55
Start of Calendar Year (12/28/2010 map)	13.82	86.18	47.90	1.50	0.00	0,00
Start of Water Year (09/28/2010 map)	66.28	33.72	4.21	0.00	0.00	0.00
One Year Ago (09/21/2010 map)	58.82	41.18	4.21	0.00	0.00	0.00



Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



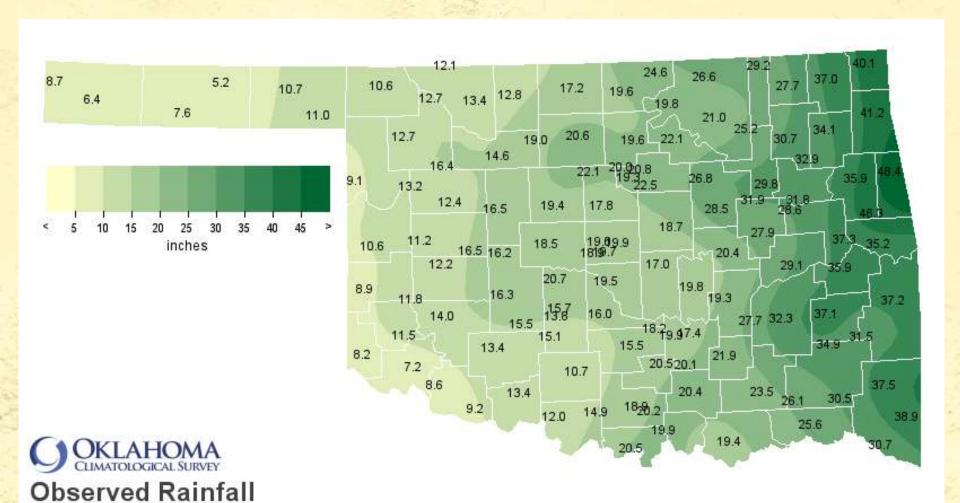






Water year totals: Oct 1, 2010-Sep 30, 2011

Water Year



Resources

- U.S. Drought Portal
 - http://www.drought.gov
- Past webinars, summaries, and Federal/State Assistance
 - http://www.drought.gov/portal/server.pt/community/south_central
- Drought Impact Reporter
 - http://droughtreporter.unl.edu/
- State Climatologists
 - http://www.stateclimate.org/
- National Drought Mitigation Center
 - http://drought.unl.edu/
- Southern Climate Impacts Planning Program (SCIPP)
 - http://www.southernclimate.org/
- Climate Assessment for the Southwest (CLIMAS)
 - http://www.climas.arizona.edu/

Does the Drought Monitor look not quite right? Tell us!

- Drought Impact Reporter
- Contact your State Climatologist
- •E-mail the DM Authors: droughtmonitor@unl.edu